

HELFGOTT & KARAS, P.C. Empire State Building 60th Floor New York, NY 10118

Telephone: (212) 643-5000 Facsimile: (212) 643-2166

or 643-0420

FACSIMILE TRANSMITTAL SHEET

DATE

: January 16, 2001

TO

: Examiner John S. Chu

COMPANY

: U.S. Patent and Trademark Office

FAX NO.

: 1-703-872-9367

SERIAL NO.

: 09/036,219

FILING DATE

: 03/06/1998

FROM

: Aaron B. Karas

Total Number of Pages including cover ____

Re: Our Docket No. NEKW 14.868

As per our telephone conversation of earlier this afternoon, enclosed are two draft claims which hopefully will traverse your rejection of claim 3. Present claim 6 can then be amended to be a dependent claim, depending from new claim 22.

This communication is confidential and intended to be privileged pursuant to the attorney-client privilege and the work product doctrine. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. Anyone who receives this communication in error please immediately notify us by telephone. Thank you.

22. (New) A chemically amplified resist comprising photoacid generator contained at 0.2 parts to 25 parts by weight and polymer contained at 75 parts to 99.8 parts by weight and copolymerized between compound, and monomer, said polymer having an average molecular weight ranging between 1,000 and 50,000 and expressed by the general formula:

wherein R^1 , R^4 and R^6 represent a hydrogen atom or a methyl group, R^2 , R^5 and R^7 represent a bridged hydrocarbon group having the carbon number from 7 to 22, R^3 represents a hydrogen atom, a methyl group or an acetyl group, R^8 represents a group decomposed by acid, m equals 0 or 1, n equals 0 or 1, k equals zero or 1, x + y + z = 1, x ranges from 0.05 to 0.75, y ranges from zero to 0.8 and z ranges from 0.15 to 0.6.

CLAIMS 21 and 22

21. (New) A chemically amplified resist comprising photoacid generator contained at 0.2 parts to 25 parts by weight and polymer contained at 75 parts to 99.8 parts by weight and copolymerized between compound and at least one monomer expressed by the general formula:

$$R^{1}$$
 $|$
 $H_{2}C = C$
 $|$
 $C = O$
 $|$
 $C_{m}H_{2m}$
 $|$
 R^{2}
 $|$
 X

wherein R^1 represents a hydrogen atom or a methyl group, R^2 represents a bridged hydrocarbon having a carbon number between 7 and 22, m equals 0 or 1 and X is selected from the group consisting of C_nH_{2n} COOH and COOR⁸ where R^3 represents a hydrogen atom, a methyl R^3 OR³

group or an acetyl group, R⁸ represents a group decomposed by acid, n equals 0 or 1 and wherein said polymer has an average molecular weight ranging between 1,000 and 50,000.